

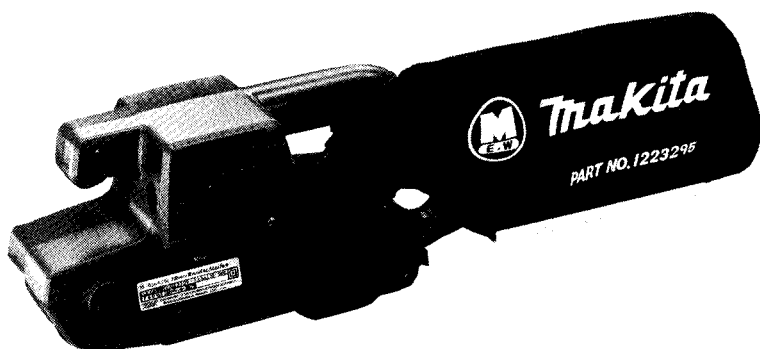
# Makita

アメリカ

## Belt Sander

76 mm (3") MODEL 9901

### INSTRUCTION MANUAL



 **DOUBLE  
INSULATION**

#### SPECIFICATIONS

Belt size	Belt speed	Overall length	Net weight
76 mm x 533 mm (3") x (21")	380 m (1,246 ft.)/min.	328 mm (12-7/8")	3.5 kg (7.7 lbs)

- \* Manufacturer reserves the right to change specifications without notice.
- \* Note: Specifications may differ from country to country.

# **IMPORTANT SAFETY INSTRUCTIONS**

## **(For All Tools)**

**WARNING: WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:**

### **READ ALL INSTRUCTIONS.**

1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
3. **KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
4. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
5. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
6. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended; for example, don't use circular saw for cutting tree limbs or logs.
7. **DRESS PROPERLY.** Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
8. **USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
9. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
10. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
11. **DON'T OVERREACH.** Keep proper footing and balance at all times.
12. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
13. **DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

14. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
15. **AVOID UNINTENTIONAL STARTING.** Don't carry tool with finger on switch. Be sure switch is OFF when plugging in.
16. **EXTENSION CORDS.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

**TABLE 1 MINIMUM GAGE FOR CORD SETS**

			Total Length of Cord in Feet			
			0 – 25	26 – 50	51 – 100	101 – 150
Ampere Rating More Than	—	Not More Than	A W G			
0	—	6	18	16	16	14
6	—	10	18	16	14	12
10	—	12	16	16	14	12
12	—	16	14	12	Not Recommended	

17. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
18. **STAY ALERT.** Watch what you are doing, use common sense. Don't operate tool when you are tired.
19. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
20. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
21. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.
22. **POLARIZED PLUGS.** To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

**VOLTAGE WARNING:** Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user — as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL**. Using a power source with voltage less than the nameplate rating is harmful to the motor.

## **ADDITIONAL SAFETY RULES**

1. Hold the tool firmly with both hands.
2. Make sure the belt is not contacting the workpiece before the switch is turned on.
3. Keep hands away from rotating parts.
4. Do not leave the tool running. Operate the tool only when hand-held.
5. This tool has not been waterproofed, so do not use water on the workpiece surface.

**SAVE THESE INSTRUCTIONS.**

### Installing or removing abrasive belt

#### CAUTION:

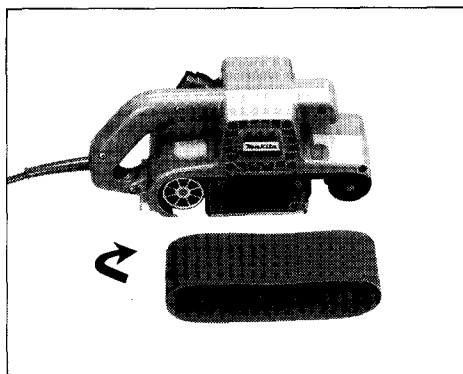
Always be sure that the tool is switched off and unplugged before installing or removing the belt.

Pull the lever all the way out and install the belt over the rollers, then return the lever to the original position.



#### CAUTION:

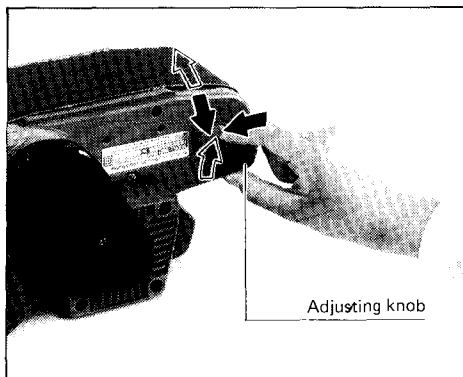
When installing the belt, make sure that the direction of the arrow on the back of the belt corresponds to the one on the tool itself.



### Adjusting belt tracking

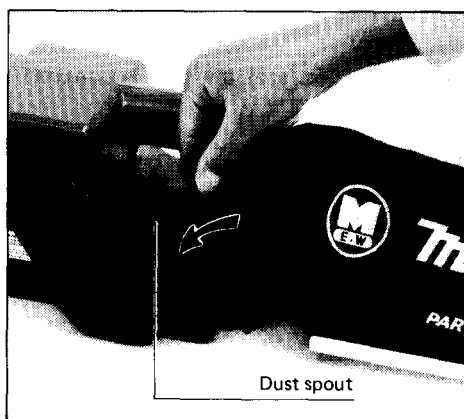
While the belt is running, use the adjusting knob to center the belt tracking.

Failure to do so can result in frayed belt edges and wear on the sander frame.



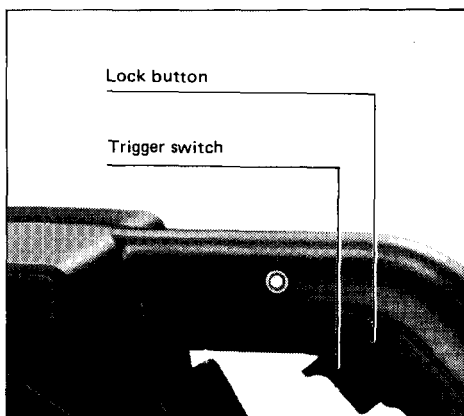
### Dust bag

The use of the dust bag makes sanding operations clean and dust collection easy. To attach the dust bag, fit it onto the dust spout. For the best results, empty the dust bag when it becomes about half full, tapping it lightly to remove as much dust as possible.



### Switch action

To start the tool, simply pull the trigger. Release the trigger to stop. For continuous operation, pull the trigger and then push in the lock button. To stop the tool from the locked position, pull the trigger fully, then release it.



### CAUTION:

Before plugging in the tool, always check to see that the trigger switch actuates properly and returns to the "OFF" position when released.

## Operation

Hold the tool firmly with both hands. Turn the tool on and wait until it attains full speed. Then gently place the tool on the workpiece surface. Keep the belt flush with the workpiece at all times and move the tool back and forth.

Never force the tool. The weight of the tool applies adequate pressure. Excessive pressure may cause stalling, overheating of the motor, burning of the workpiece and possible kickback.



## CAUTION:

The tool should not be in contact with the workpiece surface when you turn the tool on or off. Otherwise a poor sanding finish or damage of the belt may result.

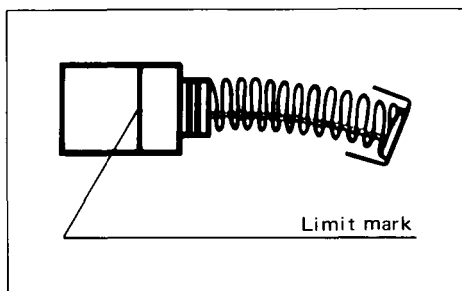
## MAINTENANCE

### CAUTION:

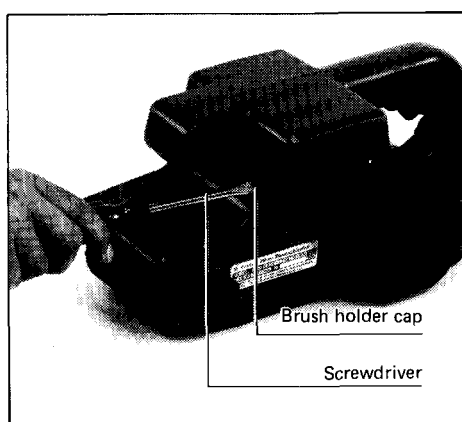
Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.

#### • Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.



Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.



To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.



# ACCESSORIES

**CAUTION:**

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

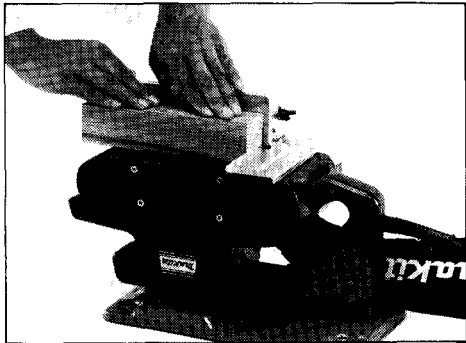
- **Abrasive belts**  
(10 sheets per pack)



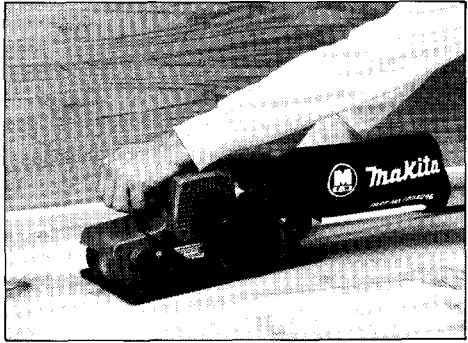
- **Belt type and use**  
AA — For wood, iron and steel.

Grit	Part No.	Use
AA40	742306-7	Coarse
AA60	742307-5	
AA80	742308-3	Medium
AA100	742309-1	
AA120	742310-6	
AA150	742311-4	Fine

- **Stand**  
Part No. 122353-8



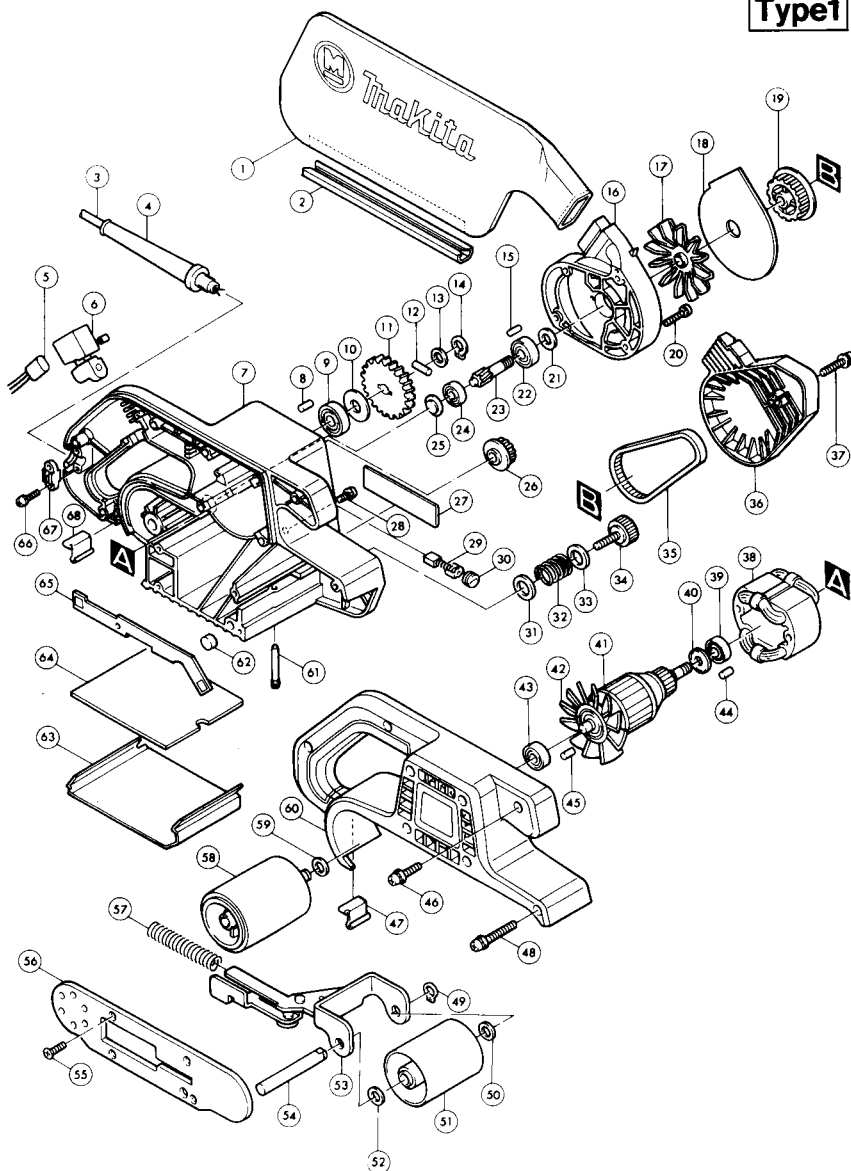
- **Sanding shoe**  
Part No. 122352-0



- **Dust bag**  
Part No. 122329-5



# 76 mm (3") BELT SANDER Model 9901

**Type1**


Note: The switch, noise suppressor and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
<b>MACHINE</b>			<b>MACHINE</b>		
1	1	Dust Bag	36	1	Belt Cover
2	1	Fastener	37	1	Pan Head Screw M5x25 (With Washer)
3	1	Cord	38	1	FIELD ASSEMBLY
4	1	Cord Guard	39	1	Ball Bearing 608LLB
6	1	Switch	40	1	Dust Seal 8
7	1	Motor Housing L	41	1	ARMATURE ASSEMBLY (With Item 39 - 43)
8	1	Rubber Pin 4	42	1	Fan 70
9	1	Ball Bearing 6000	43	1	Ball Bearing 608LB
10	1	Flat Washer 10	44	1	Rubber Pin 4
11	1	Helical Gear 67	45	1	Rubber Pin 4
12	1	Pin 3	46	4	Pan Head Screw M5x25 (With Washer)
13	1	Thin Washer 10	47	1	Leaf Spring
14	1	Retaining Ring S-10	48	5	Pan Head Screw M5x40 (With Washer)
15	1	Rubber Pin 4	49	1	Retaining Ring S-10
16	1	Bracket	50	1	Thin Washer 10
17	1	Fan 72	51	1	Tension Roller
18	1	Dust Cover	52	1	Thin Washer 10
19	1	Pulley 10-38.3	53	1	Tension Roller Arm
20	4	Pan Head Screw M4x22 (With Washer)	54	1	Tension Roller Shaft
21	1	Flat Washer 8	55	4	Countersunk Head Screw M4x18 (With Washer)
22	1	Ball Bearing 608LH	56	1	Safety Plate
23	1	Helical Gear 11	57	1	Compression Spring 11
24	1	Ball Bearing 626	58	1	Driving Roller
25	1	Cap 18	59	1	Flat Washer 10
26	1	Pulley 10-22.1L	60	1	Motor Housing R
27	1	Name Plate	61	1	Arm Support Pin
28	1	Pan Head Screw M5x10 (With Washer)	62	1	Shoe
29	2	Carbon Brush	63	1	Steel Plate
30	2	Brush Holder Cap	64	1	Cork Rubber Plate
31	1	Flat Washer 16	65	1	Edge Slider
32	1	Compression Spring 16	66	2	Pan Head Screw M4x18 (With Washer)
33	1	Flat Washer 16	67	1	Strain Relief
34	1	Screw M6x25	68	1	Leaf Spring
35	1	Belt 8-269			

Note: The switch and other part specifications may differ from country to country.

## MAKITA LIMITED ONE YEAR WARRANTY

### Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

## Makita Corporation

3-11-8, Sumiyoshi-cho,  
Anjo, Aichi 446 Japan

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